



**Ewbank
and associates**

GEO SYSTEMS PROFESSIONALS

PO Box 148, Fairview, OK 73737 Phone/Fax 580-227-3352 E-mail ewbank@fairview-ok.net website
ewbank.net

**Thermal Conductivity Test Results
Golden Corral
Cleveland, Tennessee**

Georgia Geothermal performed a thermal conductivity test at the Golden Corral Restaurant in Cleveland, Tennessee. Testing was with a Ewbank portable test unit.

The test borehole was 200 feet in depth and 5" in diameter. A 1" inch loop was installed and the borehole was backfilled with cuttings. Static water level was not reported. The formation primarily shale with limestone layers.

The average thermal conductivity (**k**) for the borehole was **1.3 btu/degree F-hr-foot**. This is an average conductivity per foot for the borehole. This value represents the rate at which the borehole and soil will transfer heat. It is an important variable in determining the amount of ground heat exchanger required for a given system.

All test equipment, methods, procedures, calculations, and interpretation is done in accordance with the recommendations and guidelines of the International Ground Source Heat Pump Association.

For more information on thermal conductivity testing and research, please visit our website at www.ewbank.net :

Thermal Test
Graph of Supply, Temp Avg, Return

